



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/US99/18654 <b>(22) International Filing Date:</b> 17 August 1999 (17.08.99) <b>(30) Priority Data:</b> 10/230594 17 August 1998 (17.08.98) JP <b>(71) Applicant (for all designated States except US):</b> MINNESOTA MINING AND MANUFACTURING COMPANY [US/US]; 3M Center, P.O. Box 33427, Saint Paul, MN 55133-3427 (US). <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> TAKAKI, Shunsuke [JP/JP]; 2-9-45-105, Higashifuchinobe, Sagamihara-city, Kanagawa pref. 229 (JP). SUWA, Toshihiro [JP/JP]; 2-43-1-1, Nishihashimoto 3-chome, Sagamihara-city, Kanagawa pref. 229-1131 (JP). <b>(74) Agents:</b> MAKI, Eloise, J. et al.; Minnesota Mining and Manufacturing Company, Office of Intellectual Property Counsel, P.O. Box 33427, Saint Paul, MN 55133-3427 (US).		<b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> ELECTRODES  <div data-bbox="453 1209 1024 1465" data-label="Image"> </div> <b>(57) Abstract</b> <p>In one aspect, the invention provides an electrode (40) adapted for wear on an adherend, such as mammalian skin, comprising: (a) an electrode support (41) having a first opposed surface (42) and a second opposed surface (43); (b) a conductor (44) supported by the electrode support, and (c) a conductive adhesive layer (48) disposed over a major portion the electrode support wherein at least a portion of the conductive adhesive coating or layer (48) has been treated with heat and pressure to improve the adhesion properties of the adhesive to the adherend. In another aspect, the invention provides a method of improving the adhesion properties of a coating or layer of a conductive adhesive composition that comprises, and preferably consists essentially of, a hydrophobic and hydrophilic phase, by applying heat and pressure to a portion of said coating or layer.</p>		

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